

ESSOLANT SAFETY CENTER BRIEF

Presented by,

Mr. Deke Miner

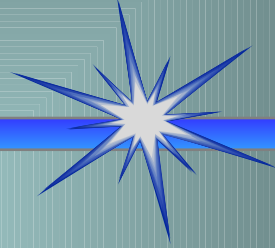
Explosives Safety Inspector

DSN 564-8966

NAVSTA Norfolk Bldg R-50 2nd
Floor

ESSOLANT

Who We Are



Bill Sizemore (Director) DSN 564-9022

Jack Kreis DSN 564-9019

Mark Priest DSN 564-8954

Tina Kirby DSN 565-2465

Mike Brophy DSN 564-8984

Becky Jones DSN 565-2427

Deke Miner DSN 564-8966

Manny Bagtas DSN 564-9021

John Wiley IV DSN 564-9026

Randy Duff DSN 565-2477

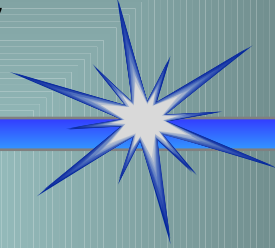
Jim Kaefer DSN 564-8989

Bob Sullivan DSN 564-8961

Commercial phone lines are (757) 44#-####

***For scheduling please call the director.**

Our Experience



2 Retired Gunner's Mate Chief Petty Officers (GMGC)

1 Retired Aviation Ordnance Senior Chief Petty Officer (AOCS)

1 Retired Aviation Ordnance LDO (6360)

2 Retired Aviation Ordnance CWO's (7361)

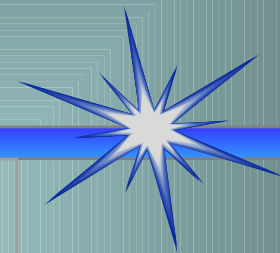
1 Retired USMC CWO Aviation Ordnance (6502)

1 Former USMC Aviation Ordnanceman

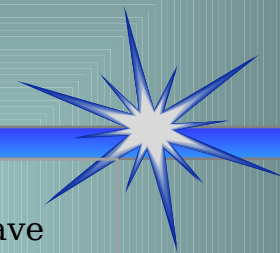
1 Former USMC Ground Ammunition Technicians

3 Explosives Safety Specialists (0018 Series)

**Three former Explosives Safety Officers (ESO)



<u>ESI FINDINGS FOR QUARTER ENDING 31 MAR 05, ACTIVITIES INSPECTED 8 NAVY, 1 MARINE CORPS</u>		
<u>PROGRAM/ELEMENT</u>	#	NON-COMPLIANCE
<u>Program 01: Command Admin & Mgmt</u>		
Element 01	6/ 0	ESO is not conducting annual inspections of explosives storage areas and magazines
03	0/ 6	Major modifications made to magazines without site approval
04	7/ 0	HERO labels on radios worn and missing standoff transmission distance
05	0	Data on fire map is inaccurate
06	7/ 0	Monthly fire extinguisher inspections are not current
08	0 2/ 0	EMR reporting time frames are not being met



Program 02: Qual/Cert

Element 02

04

5/2

2/0

Medical Examinations for Certification have expired
Personnel are certified at multiple certification levels and not the highest applicable level held

Program 03: SOPs

Element 02

03

6/0

2/0

A Hazard Analysis is not used as a basis for development of hazard control briefings in any of the activities new SOP's.
Departmental personnel are using outdated field copies of several SOP's.

Program 04: Ammo Storage/Magazine

S

Element 01

02

04

05

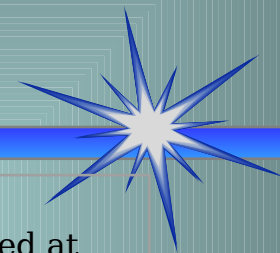
5/0

8/4

3/1

14/0

There is combustible material stored in magazines
RSL missing an identifying number
Fire symbols are incorrectly posted
Magazine bonding straps broken, incorrect H/C placarding, contractor observed talking on cell phone in HERO restricted area



Program 05: Operating Buildings

Element 04

5/0

Explosive and Personnel limits not posted at the operating buildings

Program 06: Lightning Protection /Grounding

Element 01

02
04

1/0

The grounding system test plan does not address review of test results or scheduling of corrective actions.

2/0
1/0

Lightning masts not providing adequate protection
A metal flagpole is within side flash distance and is not bonded to the fence.

Program 07: Environmental Compliance

Element 01

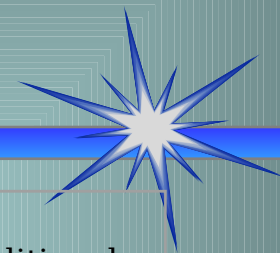
03

13/0

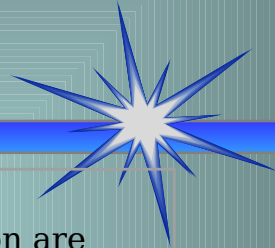
Explosive Hazardous Waste is not assessed as part of the activities annual self-environmental compliance evaluation

1/0

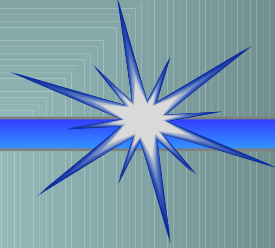
Weapons department personnel have not received training in the Military Munitions Rule applicable to their job responsibilities



<u>Program 08: AA&E Physical Security</u>		
Element 01		
02	4/0	There are no contingency plans for additional security protection for AA&E during periods of special vulnerability
03	5/0	Quarterly testing of IDS systems is not being performed
04	10/0	The activity does not employ an effective duress system. There is no use of code words or gestures with common language or motions.
06	1/0	There is no security lighting for an RSL that contains Category II ammunition
07	5/0	Semiannual Key and Lock inventories are not being completed.
08	6/0	Annual AA&E security surveys are not being conducted
10	3/0	Access control for visitors to arms storage spaces is not being logged
	10/0	The activity has no planned maintenance program for the arms in their custody

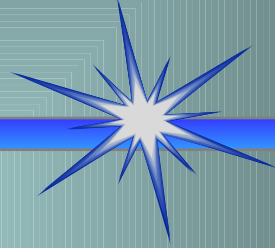


<p><u>Program 10: Motor Vehicle Transportation</u> Element 02</p> <p>06</p>	<p>3/0</p> <p>5/0</p>	<p>Vehicles being loaded with ammunition are not being inspected for correct blocking and bracing prior to movement</p> <p>Explosives drivers licenses are being issued beyond 24 months</p>
<p><u>Program 13: Airfield Operations</u> Element 04</p>	<p>0/1</p>	<p>A C/D 1.3 fire symbol is posted on the door of the Ejection Seat Shop when the shop contains no explosives.</p>
<p><u>Program 14: Ammunition/Explosives Associated Equipment</u> Element 02</p> <p>03</p> <p>05</p> <p>06</p>	<p>2/0</p> <p>3/0</p> <p>3/0</p> <p>14/0</p>	<p>Forklift trucks have been modified without approval</p> <p>Annual OHE inventory has not been submitted</p> <p>Test stand assemblies used in operating buildings have not been identified for testing or traceability</p> <p>Annual fork lift time inspections have not been performed</p>



<u>Program 15: Inventory Management</u>		
Element 01	14/0	<p>Individuals who perform physical inventory duties are allowed access to the official inventory records</p> <p>The official stock record does not reflect all applicable NAR's that affect ammunition</p> <p>Traceable seals are not applied where required for serviceable ammunition and empty hazardous material containers</p>
02	5/0	
03	14/0	

COSR Scope applies to all



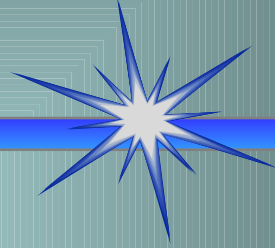
- **DoN Navy Ships**
- **Submarines**
- **Military Sealift Command (MSC)**
- **Naval Fleet Auxiliary Fleet (NFAF)**

COSR Fundamentals



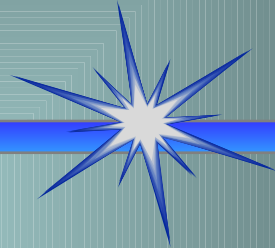
- Scheduled at least once during the 27 month Fleet Response Plan Cycle. Preferably during Unit Level Training Plan (ULTP) of the Command Assessment of Readiness and Training (CART) Phase II.
- Uses a Shipboard Explosives Safety Evaluation Guide consisting of 13 Programs.
- Mandates that ships conduct their own Shipboard Explosives Safety Self Assessment (SESSA) when preparing for a Technical Assist Visit (TAV) or COSR.
- Uses a “Point System” grading criteria based on “Major/Repeat/General” discrepancies. 100 points possible. 80 needed to Pass. Major = 15 points, Repeat = 5 points, General = 1 point.

COSR Fundamentals Continued



- Activities who Pass the COSR will be recommended for certification to the ISIC.
- Activities who Fail the COSR will not be recommended for certification to the ISIC. A list of deficiencies that require action and/or further training will be furnished to the ISIC.

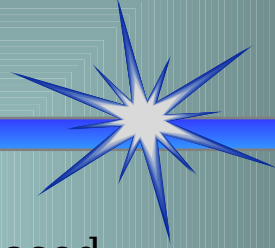
COSR Programs



1. Administration
2. Magazines/Handling Rooms
3. Sprinkler Systems
4. Ready Service Stowage
5. Ordnance Handling Equipment (OHE), Weight Handling Equipment (WHE)
6. Industrial Materials Handling Equipment (MHE)
7. Elevators
8. 20MM Close In Weapons System (CIWS)
9. Helicopter Facilities
10. Submarines
11. Industrial Safety (As it relates to Explosives Safety)
12. Physical Security **New Program
13. Ammunition Management Afloat **New Program

COSR Grade Calculation Formula

80% Required to Pass



1. Divide the Acquired Points (AP) (Number of Findings x Finding Point Value) by the Total Applicable Points (TAP) (Total points based on the number of possible findings in programs applied during the COSR), then subtract that number from 100% to determine the final percentage score for the COSR.
2. Example: Determine TAP available = In this example there are 150 Points because there were 150 possible findings in the programs applied during the COSR.

AP: 0 Major Findings = 00 Points

2 Repeat Findings = 10 Points

25 General Findings = 25 Points

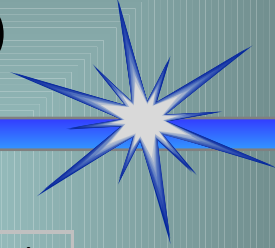
35 Points Total

Final Calculation for this example is: (AP=35) divided by (TAP=150) = 23%

$$100\% - 23\% = 77\%$$

**In this example the ship would not be recommended for certification

COSR Trends Observed (Mar 2004 to Present)



Programs	Name	Major	Repeat	General	Design
1	Administration	0	2	50	0
2	Magazines/Handling Rooms	0	1	50	11
3	Sprinkler Systems	0	0	10	24
4	Ready Service Stow age	0	0	16	0
5	Ordnance Handling Equipment (OHE), Weight Handling Equipment (WHE)	0	1	13	0
6	Industrial Materials Handling Equipment (MHE)	0	5	34	0
7	Elevators	0	0	12	0
8	20MM Close In Weapons System(CIWS)	0	0	0	1
9	Helicopter Facilities	0	0	0	0
10	Submarines	0	0	0	0
11	Industrial Safety (As it relates to Explosives Safety)	0	0	2	0
12	Physical Security **New Program	0	0	0	0
13	Ammunition Management Afloat **New Program	0	0	0	0
Totals		0	9	187	36